UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Idaho State Office
1387 South Vinnell Way
Boise, Idaho 83709-1657

In Reply Refer To:
1292 (954) **P**

May 18, 2006

EMS
Instruction Memorandum No. ID-2006-051
Expires: 09/30/2007

To: ILT/IMF
         Attn: Telecommunications Specialists and Fire Management Officers

From: Deputy State Director for Support Services

Subject: 2006 Fire Handheld Radio Configuration Standards

Program Area: Telecommunications and Wild Land Fire

Purpose: This Instruction Memorandum (IM) forwards Washington Office (WO) IM No. 2006-142, 2006 Fire Handheld Radio Configuration Standards.

Policy/Action: Telecommunications Specialists will ensure all handheld radios are checked for current software and tone programming per the WO IM attachment. Button configuration will remain unchanged from last year's standard. Bureau of Land Management (BLM)-Idaho fire radios will operate on narrowband analog mode during this fire season.

Timeframe: This policy is effective immediately.

Background: The standard handheld radio used in Idaho is the EF Johnson. The BLM-Idaho Telecommunications Group and Wild Land Fire Fighter users were instrumental in developing the EF Johnson button configuration standard listed on the WO IM. Button configurations were not changed from last year's programming. This should help reduce training requirements this field season as well as decrease the time required for programming changes.

Manual/Handbook Sections Affected: None.

Coordination: This IM has been coordinated with the State Telecommunications Lead, the Branch Chief for Human Resources and Administrative Services, Law Enforcement, and the State Fire Management Officer.

Contact: Please address any questions or concerns regarding this IM to Kent Saxon, State Telecommunications Lead, at (208) 373-3941.

Boise District with Union: No Union notification or negotiation is required.

Signed   Authenticated
Michael A. Candelaria   Shellie Hartsock
for Anna F. Steele   Administrative Specialist

Attachment
1 - WO IM No. 2006-142 (7 pp)

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMEN
WASHINGTON, D.C. 20240
http://www.blm.gov/

May 2, 2006

In Reply Refer To:
1268, 1292, 9216 (WO-560D) P

EMS TRANSMISSION 05/02/2006
Instruction Memorandum No. 2006-142
Expires: 9/30/2007

To: All State and Center Directors
                 Attn: CIOs and FMOs

From: Assistant Director, Information Resources Management

Subject: 2006 Fire Handheld Radio Configuration Standards
                 DD: 6/1/2006

Program Area: Telecommunications and Wild Land Fire

Purpose: This Instruction Memorandum publishes the fire handheld radio configurations
standards for 2006, as endorsed by the Fire National Equipment Committee, the Fire National
Operations Committee, and the Bureau Radio Technical Advisory Group.

Policy/Action: Each State and Center shall have all handheld radios which will be used for Wild
Land Fire operations configured per the attached standards by June 1, 2006. These standards
will remain in effect until October 1, 2006.

The attached standards provide the required and recommended software, button and
programming configurations for radios used for fire operations in the field (FIELD).
Configurations not listed are set at local discretion. The National Interagency Incident
Communications Division (NIICD) Cache standards are also provided as a reference.

BLM radios and systems using frequencies from 162 to 174 MHz or 406 to 420MHz to support
fire operations shall operate in narrowband analog mode.

Radio systems supporting fire operations, were a Tone Pick List is used, shall have the tone list
configured per the attachment.

Waivers from this policy shall be addressed to the Bureau Telecommunications Manager containing the model of the equipment, the justification why the configuration cannot be implemented, and the configuration which is requested to be used in the fire handheld radios.

Extensions for the configuration completion due date shall be addressed to the Bureau Telecommunications Manager containing the models of the equipment, the justification why the configuration date cannot be met, and the proposed completion date.

Time Frame: This policy is effective upon receipt.

Background: The post 2004 fire season comments indicated the need for national configuration standards for handheld radios to improve firefighter safety and to make communications support more efficient and effective. As a result, a Configuration Board consisting of fire radio users and technicians was convened to define the radio configurations standards for 2005. These recommended standards were submitted to the Fire National Equipment and Operations Committees for review and endorsement. For 2006, these configurations have updated based on recommended changes and now includes the National Interagency Incident Communications Division Cache standards.

Budget Impact: Minimal. Pre-fire season radio maintenance and configuration is normally conducted each year during the off season.

Manual/Handbooks Affected: None.

Coordination: This document was coordinated with the Office of Fire and Aviation.

Contact: Please address any questions or concerns regarding this policy to Deb Weigel at (303) 236-2260, or Russ Sveda at (303) 236-2315.

Signed by: Authenticated by:

Scott E. MacPherson   Robert M. Williams

Acting, Assistant Director   Division of IRM Governance,WO-560

Information Resources Management

1 Attachment
   1 - Bureau of Land Management Fire Radio Configuration Standards 2006 (5 pp)

Bureau of Land Management
Fire Handheld Radio Configuration Standards
2006

Thales Handheld Radio Models 501/3/4/5/6

	FIELD	**NIICD**
Button Configuration (Required):		
Toggle Switch Position A	Scan ON/Priority ON	Scan ON/Priority ON
Toggle Switch Position B	Scan ON	Scan ON
Toggle Switch Position C	Scan OFF	Scan OFF
Emergency (Red)	Disabled (future use)	Disabled (future use)
Function Key F1	Zone Change	Monitor
Function Key F2	Monitor	Disabled
Function Key F3	Hi/Low Power	Hi/Low Power

503/5/6 Firmware Version (Required): 8.1   8.1
501 Firmware Version (Required):   5.12   NA

501/3/4/5/6 Fire Features Option: Required   Required

Programming Software Version (Required):   5.0

Radio Software Configuration (Recommended):

Squelch setting:	02 (II)
Scan Delay setting:	2 seconds
Scan Reply setting:	3 seconds
Monitor Timer setting:	20 seconds
Priority Interval Timer setting:	1.5 seconds
Squelch Revert Mode setting:	Last selected
Transmit Timeout setting:	90 seconds

Accessory Configurations (Required):

Battery Charger Firmware Version: 2.10E

Bureau of Land Management
Fire Handheld Radio Configuration Standards
2006

EF Johnson Handheld Radio Model 5100

	FIELD	**NIICD**
Button Configuration (Required):		
Switch position A	Disabled	Disabled
Switch position B	Disabled	Disabled
Switch position C	Disabled	Disabled
Emergency (Orange)	Disabled (future use)	Disabled (future use)
Left side Auxiliary 1	Soft Power Down	Disabled
Left side Auxiliary 2	Scan On/Off	Scan On/Off
Left side Auxiliary 3	Scan List Select	Hi/Low Power
Front of radio F1	Fixed (Exit Program Functions)	
Front of radio F2	Fixed (Menu and Add/Delete Scan)	
Front of radio F3	Hi/Low Power	Disabled
Front of radio F4	Display	Disabled
* Key	Keypad Lockout	Keypad Lockout
# Key	Monitor	Disabled

Non-SEM Flash Version (Required):	1.18.15	1.18.15
Non-SEM Boot Version (Required):	1.13.0	1.13.0
SEM Flash Version (Required):	2.8.15	NA
SEM Boot Version (Required):	2.4.0	NA
UCM Flash Version (Required):	3.8.14	NA
UCM Boot Version (Required):	3.4.0	NA
X Flash Version (Required):	4.4.27	NA
X Boot Version (Required):	4.2.0	NA

Finding the version number - Turn on the radio and check the displayed version number at power up (after the logo).

Non-SEM = V 1.x.x   SEM = V 2.x.x   UCM = V 3.x.x   X = V 4.x.x

Radio Programming Software All Models (Required):   1.28.0.08
Radio PC Tune Software All Models (Required):   2.0.2.03

Radio Software Configuration (Recommended): Squelch setting - 0

Soft Key Programming functions (Required minimum):

Keypad Programming   Cloning   Scan Edit

Accessory Configurations: NA

Attachment 1-2

Bureau of Land Management
Fire Handheld Radio Configuration Standards
2006

Relm/BK Handheld Radio Models

	FIELD	**NIICD**
Button Configuration (Required):		
Left toggle	Low Power	Low Power
Center toggle	Channel Scan	Channel Scan
Right toggle	Priority Scan	Priority Scan
DPHx Option Board Version (Required):	31688543	31688543
DPHx System Board Version (Required):	30FB1F53	30FB1F53
DPH Option Board Version (Required):	30428112	NA
DPH System Board Version (Required):	2F2383C1	NA
DPH Expanded Frequency Operations:	Required	NA
GPH Flash Firmware Version (Required):	2F145109	NA
EPH Firmware Version:	NA	NA

Finding the version number - Turn on the radio and then press and hold the "0" key to see the Option Board version number. Press and hold the "1" key to see the System Board version number.

DPH Radio Programming Software (Required):	3.3.0
GPH Radio Programming Software (Required):	2.5.0
EPH Radio Programming Software (Required):	1.1.6

Radio Software Configuration:　　　　　NA

Accessory Configurations:　　　　　NA

Bureau of Land Management
Fire Handheld Radio Configuration Standards
2006

Datron Guardian Handheld Radio Models

	FIELD	**NIICD**
Button Configuration (Required):		
Toggle Switch Position A	Scan ON/Priority ON	Scan ON/Priority ON
Toggle Switch Position B	Scan ON	Scan ON
Toggle Switch Position C	Scan OFF	Scan OFF
Emergency (Orange)	Disabled (future use)	Disabled (future use)
Function Key F1	Zone Change	Monitor
Function Key F2	Monitor	Disabled
Function Key F3	Hi/Low Power	Hi/Low Power

Firmware Version (Required): 7.3   7.3

Radio Programming Software (Required): 3.2.2.40

Radio Software Configuration (Recommended):

Squelch setting:	02 (II)
Scan Delay setting:	2 seconds
Scan Reply setting:	3 seconds
Monitor Timer setting:	20 seconds
Priority Interval Timer setting:	1.5 seconds
Squelch Revert Mode setting:	Last selected
Transmit Timeout setting:	90 seconds

Accessory Configurations: NA

Bureau of Land Management
Fire Handheld Radio Configuration Standards
2006

Radio Tone Pick List

RS-220-A EIA Standard CTCSS Tones

Tone #	Tone
1	110.9 Hz
2	123.0 Hz
3	131.8 Hz
4	136.5 Hz
5	146.2 Hz
6	156.7 Hz
7	167.9 Hz
8	103.5 Hz
9	100.0 Hz
10	107.2 Hz
11	114.8 Hz
12	127.3 Hz
13	141.3 Hz
14	151.4 Hz
15	162.2 Hz
16	192.8 Hz